

# MYPro series S20™ S30™ Stencil Printer

Specifications  
January 2025



# Specifications MYPro S20™ and S30™

PERFORMANCE	S30	S20
Machine alignment capability	±7µm@6Sigma (CNAS certification)	±10µm@6Sigma (CNAS certification)
Process alignment capability	±15µm@6Sigma (CNAS certification)	±18µm@6Sigma (CNAS certification)
Platform calibration	0.4µm linear accuracy	2.5µm linear accuracy
Core cycle time	< 7s (exclude printing & cleaning)	< 7s (exclude printing & cleaning)
Product changeover time	< 5min	< 5min
New product set-up time	< 10min	< 10min

BOARD HANDLING	S30	S20
Board size range (mm)	Standard: 50mm × 50mm - 510 × 510mm	Standard: 50mm × 50mm - 510 × 510mm Optional: 50mm × 50mm - 600 × 510mm
PCB thickness	0.6-6mm (below 0.6mm fixtures are required)	0.6-6 mm (below 0.6mm fixtures are required)
PCB maximum weight	5kg	5kg
Stencil frame size (L×W)	470mm × 370mm - 737mm × 737mm	470mm × 370mm - 780mm × 737mm
Stencil frame thickness	10-40mm	10-40mm
PCB edge clearance	3mm	3mm
PCB bottom clearance	Programmable 13mm (23mm optional)	Programmable 13mm (23mm optional)
Clamping method	Programmable motorized rear rail Top clamping Side clamping Vacuum clamping	Programmable motorized rear rail Top clamping Side clamping Vacuum clamping
Support method	Magnetic pin Side support block Auto flexible pin (optional)	Magnetic pin Side support block Auto flexible pin (optional)

PRINTING PARAMETER	S30	S20
Squeegee type	Steel/rubber squeegee blade (angle 60°/55°/45°)	Steel/rubber squeegee blade (angle 60°/55°/45°)
Squeegee pressure	0-15kg	0-15kg
Printer speed	1-300 mm/s	1-300 mm/s
Snap-off speed	0.2-125mm/s (support two-stage snap-off)	0.2-125mm/s (support two-stage snap-off)
Separation option	Separation after squeegee up; Squeegee up after separation	Separation after squeegee up; Squeegee up after separation
Conveyor speed	50-1500mm/s	50-1500mm/s
Conveyor direction	L→R, L→L, R→L, R→R	L→R, L→L, R→L, R→R
Table adjustment range	X: ±4mm; Y: ±6mm; θ: ±2°	X: ±4mm; Y: ±6mm; θ: ±2°
Cleaning system	1. Drops of rain type cleaning system 2. Dry/Wet/Vacuum modes	1. Drops of rain type cleaning system 2. Dry/Wet/Vacuum modes

OPTICAL SYSTEM	S30	S20
Field-of-view (FOV)	Standard: 6×4.5 mm (optional 10×8 mm)	Standard: 6×4.5 mm (optional 10×8 mm)
Fiducial types	Standard shape fiducial, Pad/Hole	Standard shape fiducial, Pad/Hole
Vision methodology	CCD camera Telecentric coaxial vision system Coaxial + Annular light independent control	CCD camera Telecentric coaxial vision system Coaxial + Annular light independent control

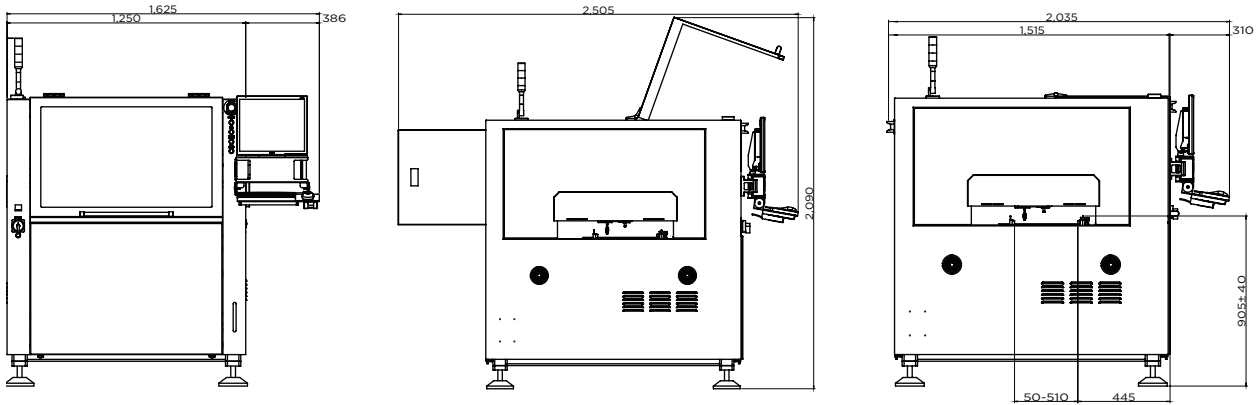
FACILITIES REQUIREMENT S30 S20	
Power supply	AC: 220V±10%, 50/60Hz 1Φ 3kW, 13A
Air pressure	4-6kg/cm <sup>2</sup>
Air consumption	≈ 0.007m <sup>3</sup> /min
Operation temperature	-20°C - +45°C
Operation humidity	30-60%
Machine weight	Approximately 1000kg
Approximate dimensions	(L) 1250mm × (W) 1440mm × (H) 1510mm
Operating system	Windows 10
Acoustic noise level	< 87dB
Certification standards	CE, RoHS, REACH, UL

STANDARD FEATURES	S30	S20
	Marble support beam	Marble support beam
	Squeegee pressure adjustment: motorized feedback and control with guide rail	Squeegee pressure adjustment: motorized control with bar
	Motorized table height adjustment	Motorized table height adjustment
	2D inspection	2D inspection
	Automatic liquid weighing function	Automatic liquid weighing function
	Temperature & humidity display	
	Stencil vacuum seal	

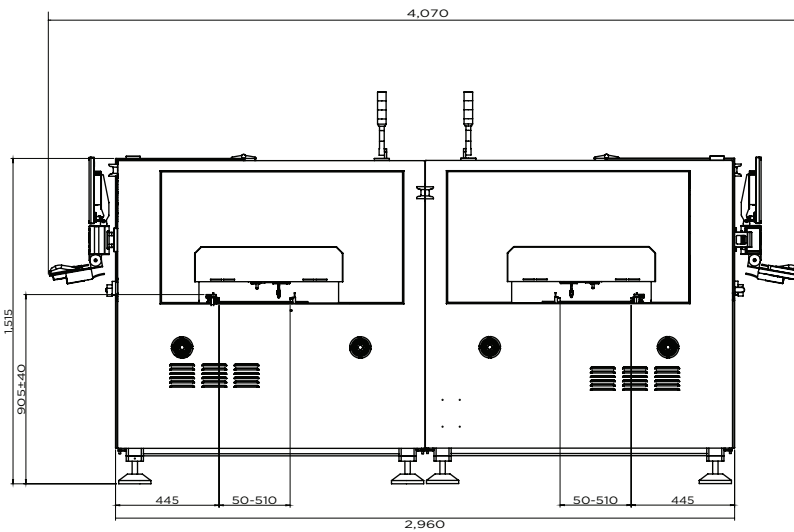
OPTIONS	S30	S20
	UPS emergency power supply (30mins)	UPS emergency power supply (30mins)
	Solder paste replenish system	Solder paste replenish system
	Automatic glue dispenser	Automatic glue dispenser
	Antistatic air blower	Antistatic air blower
	Fixed camera barcode scanner	Fixed camera barcode scanner
	Handheld barcode reader	Handheld barcode reader
		Printing area extension (600×510mm)

**DIMENSIONS**

[ mm ]



**BACK-TO-BACK POSITIONING**



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